



6-1285
JEEPERS—LOOK AT THOSE CREEPERS—ON THE CEILING, THAT IS. THIS PHANTASTIC photography is just a gag worked up by folks down in the Electromagnetic Research Laboratory to drum up trade for their April Fool party Saturday. The human flies are Harry Bainbridge and Audrey (Little) Braden advancing to present an invitation to the shindig to Dr. E. D. Shipley. The secretary (?) sheltered under the canopy with the fringe on top awaiting the visitors is Jeanne Brownfield.

No Security Relaxation Possible In View Of Revelation Of Spying Activities Aimed At Atomic Data

Recent revelations on advances made in atomic energy development and also of espionage efforts have made it obvious that there can be no relaxation of security safeguards existing around the operations in Y-12 and other Atomic Energy Commission facilities engaged in the nation's atomic energy program, it is pointed out by the Y-12 Security Office and AEC security authorities.

All Y-12ers have been well-grounded in observance of security regulations pertaining to their particular line of work. However, in view of recent developments, it is urged that even more attention be paid to prevent any information on plant operations reaching unauthorized persons.

All Security Phases Essential

To carry out this essential protection of "restricted data," as all classified information is described by the AEC, it is necessary that all phases of security regulations be kept in mind. Unintentional reference to some type of work being done in Y-12, probably harmless in itself, might provide a clue to some over-curious person that could lead to piecing such bits of apparently disconnected information together to reveal important developments that should not be disclosed. Misplacing of classified documents also could result in similar leaks.

During the past several weeks the world has been told of a surge of espionage activities, both in the United States and abroad, all directly aimed at obtaining information on just what the United States has in the way of atomic weapons. In the February 17 issue of the United States News and World Reports it is declared that "there is far more to this country's latest spy scare than the surface exploits of a few isolated individuals acting for Russia suggests. Spying in this country at this time is a large, organized business, aimed at discovering all that can be (Continued on Page 2)

Buildings And Grounds Is Attendance Leader

A newcomer to the lead in attendance standings of the Major League of departments of more than 50 employees scheduled appeared on the listings for the week ending March 19 when Buildings and Grounds jumped from fourth place into first with an absentee percentage of only .3 per cent.

Electricians Drop To Third

Electrical Maintenance, first place department for two out of the three previous weeks, dropped back to third place in the Major League with an absentee mark of .7 per cent. Chemical, which was in second place for the week ending March 12, held that position and had .5 per cent of its personnel absent.

For the second straight week seven departments in the Minor League of departments with 15 to 49 employees scheduled reported "all present" for the week ending March 19. Of this number five were repeaters from the previous week.

The repeaters were Steam Plant, Maintenance Utilities, Property, Employee Relations and Laundry. The two newcomers to the perfect attendance bracket were Janitors, advancing from fifth place; and Receiving and Shipping, climbing from eighth.

Plant Engineering Holds Second

Second Place in the Minor League was taken by Plant Engineering, which held the same position the previous week. Engineering had (Continued on Page 2)

Closely Kept Secret By Group At Cal. Tech. Revealed; Details Will Probably Be Bared April 1

With work on the 86-inch cyclotron being constructed in Y-12 progressing according to schedule—another major accomplishment that has been one of the most closely guarded secrets of the era now can be told. It is the story of an anonymous group of grammarians of the California Institute of Technology and how, working in secrecy in a remote section of the country, they finally succeeded in splitting the infinitive.

The Bulletin has managed to obtain an advance story on the accomplishments of the Cal. Tech. group—originally scheduled for release on Saturday, April 1.

The so-called "Bronx Project" got under way in 1943, with the installation of a huge infinitron specially constructed for the job by Cal. Tech. philologists. Although the exact details are still withheld for reasons of security, it is possible to describe the general process.

Alpha-Betical Rays Dangerous

From a stockpile of fissionable gerunds, encased in leaden cliches to prevent radioactivity, a suitable subject is withdrawn and placed in the infinitron together with a small amount of syntax. All this material must be handled with great care as the slightest slip may lead to a painful solecism. Once inside the apparatus, the gerund is whirled about at a great

speed, meanwhile being bombarded by small articles. A man with a Gerund Counter stands always ready to warn the others if the Alpha-Betical rays are released in such high quantities as to render the scientists neuter.

The effect of the bombardment is to dissociate the whirling parts of speech from one another until at length an infinitive splits off from its gerund and is ejected from the machine. It is picked up gingerly with a pair of hanging clauses and plunged in a bath of pleonasm. When it cools it is ready to use.

Russia Has Many Thesauruses

The question is often asked: "Can other countries likewise split the infinitive?" We can safely answer, "NO". Although it is true that Russia, for one, is known to have large supplies of thesaurus hidden away behind the Plural Mountains, it is doubtful if the Russians possess the scientific technique. They have the infinitive but not the (Continued on Page 2)

'Dynamics Of Nuclear Fission' Topic Of Seminar Discussion

"Dynamics of Nuclear Fission" will be the topic of discussion at the weekly meeting of the Oak Ridge Physics Seminar to be held at 4 o'clock Friday afternoon, March 31. The meeting will be held in the East Lounge of the Ridge Recreation Hall.

Dr. David L. Hill, of Vanderbilt University, will lead the discussion. All Y-12 technical and scientific personnel interested in the subject are invited to attend the session.

CANADA PLANS AIR DEFENSE

The Toronto Star has announced that Canadian defense authorities have planned for an aerial defense of the Chalk River atomic plant. Radar installations for detection and jet fighters to ward off aerial attacks are called for.

SAFETY SCOREBOARD

Your Plant Has

Operated
278 DAYS

Without A Lost Time

Accident

THROUGH MARCH 26

Positive Approach To Safety Program Stated Necessary To Overcome Fear, Resistance

Fear and compulsion have no part in a successful safety program—rather approach the subject from a positive angle and stay clear of admonitions "don't do this." That is the opinion of C. H. Dick, of the Industrial Relations Department, Safety Division, Carbide and Carbon Chemicals Division, Union Carbide and Carbon Corporation, in an article recently published in The Carbide News, magazine of the Carbide and Carbon Chemicals Division of UCC. The article is reprinted below in full.

Are We Advertising Safety Or Accidents?

By C. H. Dick

All through the ages man has struggled for safety. Primitive man lived in caves or in treetops to be safe from wild beasts and savage tribesmen. He learned that for added protection he could draw up his ladder or vine, or roll a rock before the mouth of a cave.

Why did they take these precautions? Because someone had said it was a safety standard? Or did they realize there was a definite hazard and knew precautionary measures would have to be taken against it?

With human beings as with other things, there is a cause behind every condition. Nothing just happens to us. Everything happens in accordance with law, and the biggest law in our life is that of mental attitude.

Happiness Greatest Human Desire

Happiness is the one deepest desire of every human being, the end aim of all work, sacrifice and aspiration—and it is nothing but a state of mind.

Most sales agencies work on the human mind with advertising to

sell their product. An instance may be found in the advertising of two rival manufacturers of dentifrices. One advertised the merits of his product by asserting that a dentifrice that merely "washed" the teeth was not sufficient to remove an accumulation that was deleterious to the health of the teeth and gums. The competitor was quick to grasp the opportunity with copy that admonished "wash—don't scour the teeth" and backed up his argument with a number of professional opinions on the subject.

Both the manufacturers made positive statements. It was for the consumer to decide whether he

(Continued On Page 4)

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No Security Lapse Seen Possible Now


(Continued from Page 1)
learned about United States poli-
cies, plans and military secrets.”
Atomic Energy Major Target
The publication proceeds to quote
J. Edgar Hoover, head of the Fed-
eral Bureau of Investigation, as
telling congressmen that it is
believed there are from 10,000 to
12,000 secret Communist agents
in the country and that the major
aim of Soviet Russia is to ferret
out the secrets of atomic energy,
including details of the uranium
and hydrogen bombs.
The arrest, conviction and sen-
tencing of Dr. Klaus Fuchs in Eng-
land on his confession of turning
over vital atomic energy informa-
tion to Russia is, of course, an
isolated case but demonstrates the
avidity of Russia to obtain such
information.
Such incidents as the Fuchs case
and the revelation of the espionage
activities existing throughout the
nation should be sufficient inspira-
tion to all Y-12ers and other
Americans to “take a hitch in their



Checkmate
COMPETITION

Protect
ATOMIC “TRADE SECRETS”

belts” on all matters pertaining to
shielding restricted data they may
be called on to handle. A continued
alertness will pay dividends in
strengthening the security and
safety of the entire nation in a
period of unprecedented interna-
tional unrest.
U. S. Still Has Big Lead
Despite reports of atomic energy
developments by Russia, it is cer-
tain that, in the scientific world, the
United States still has a big lead
in the “trade secrets” of applica-
tion of atomic energy for both mili-
tary and peacetime uses. So until
the world can be certain that this
knowledge will not be used for
purposes of aggression, competition
can be checkedmate by an hourly
and daily remembrance of the se-
curity provisions solely compiled
for the welfare of the country in
that they place a barrier between
restricted data and those who
would illegally obtain the infor-
mation.



Hospital
Lost

The following Y-12 employees
were patients in the Oak Ridge
Hospital last week: Harold A.
Babb, Maintenance Shops; Maude
A. Whaley, Product Chemical; Wal-
ter D. Hill, Stores; and Daisy
Whitehead, Medical.

The secret of life is not to do
what you like, but to like what you
do.

STRICTLY Confidential

Electromagnetic Research
Labbers are all agog and top-
sy-turvey (see Page One) over
their annual April Fool Day
dinner—dance—party Satur-
day night, April 1, at the Star-
light Room of the Oak Terrace.
There's going to be fun for
all, dancing, card playing and
buffet supper beginning at 9
p.m. and lasting until 1 a.m.
Jeanne Brownfield, Bldg. 92-
04-3, telephone 7-8444, and
Harry Bainbridge, Bldg. 9201-
2, telephone 7043; have tickets
selling for a buck and a half
per person. That includes the
works—which the guests prob-
ably will get before the frolic
is finished.

The Uranium Control and Com-
puting Department reports that
the women's bowling team in Bldg.
9706-1A has challenged the mas-
culine team of the same location.
The gals say the men folks are
silent and want to know “Wha
Hoppen?” . . . The department
welcomes Virginia Swanner into
the group . . . Madeline Franklin
and her husband spent a recent
week end at their homes in Valde-
se and Vale, both in North Carolina
Bertha Crowder spent a recent
week end up in Bowling Green, Ky.
W. H. Belvin and Mrs. B. went
down to Chattanooga not so long
ago for a look at Lookout Mountain
and that famous Shoeshine Boy . . .
Jeanne Clair Kennedy and her
sister went to Roanoke, Va., for
a recent visit with their parents.

One of the Y-12 feminine
basketball players, en route
back home from playing in
Knoxville last week and learn-
ing that the tournament called
for a round-robin type of play,
remarked, “Well, maybe we'll
be playing afternoon and night
double-headers Memorial Day.”

Ernie Cobble, of Buildings and
Grounds, led the Y-12 varsity bow-
ling team into action in the state
tournament at Chattanooga over
the past week end and took his
good wife, Lillie, of Medical, along
as a team mascot.

The Medical Department also
reports that Dr. Paul D. Scofield,
Y-12 Medical Director, had a lot
of house guests recently. They in-
cluded a daughter, Mrs. Nancy
Jane Sparks, a former K-25er;
her small daughter, Shannon Lee,
and some of their friends from
Columbus, Ohio.—Another daugh-
ter, Mrs. Gene Tharion and son,
Jeff, also of Columbus.—And still
a third daughter, Mrs. Betty Mc-
Cuiston, who also formerly was a
K-25 employee, and her little
daughter, Sheila, of Kingsport,
Tenn. . . . Dr. Paul must have
been hanging the youngsters from
the chandeliers . . . Penny Keene,
and her husband, Oliver, of Prop-
erty, made one of their periodical
trips down to Tuscaloosa, Ala., over
the week end . . . Virginia Smith
went over to Dante, Va., for a visit
with her parents recently.

Eunice Bogle, of Chemical Re-
search, has returned from a week's
tour of points of interest in Florida
that included stops at Daytona
Beach, Silver Springs, Sarasota
and Gainesville.

The Guard Department extends
get well quick wishes to Elma
Brewer . . . H. J. Gregory is vaca-
tioning at his home in Maryville,
Tenn. . . . W. E. Bruce is doing
likewise in Knoxville.

Bob Bailey was given a warm
welcome back to work after an
illness by the Isotope Research and
Production Department . . . The
department is handing out congrat-
ulations to W. W. Bell, Jr., and
Mrs. Bell on the birth of a son at
the Oak Ridge Hospital March 18,
a seven-pound, five-ounce lad whom
they named William Kenneth—and
George Fisher and Mrs. Fisher on
the arrival of a daughter on March
20, also at the Oak Ridge Hospital
Dorothy White and her husband
visited his folks down in Georgia
recently.

An invertebrate and incorri-
gible pair of fishermen, Claude
Haws, of Chemical Research;
and J. C. Ezell, of Electrical
Maintenance; braved cold weath-
er and wind to go trout fish-
ing in the Cherookee Forest on



MRS. W. R. MCGILL, WIFE OF W. R. MCGILL, OF THE Y-12 FIRE DEPARTMENT, WAS
honoree at a stork shower given March 16 by Mrs. Ann Hart and Mrs. Leon Hatcher at 104 Jarrett
Lane. Among the guests shown in the above picture are Mesdames H. L. Crockett, C. D. Edmondson,
S. H. Jones, K. E. Caughron, Floyd Norris, E. L. Loy, Beauford Bradshaw, Carl McNutt, Earl Forres-
ter, Cecil Barker, N. B. Faust and daughter Billie Ruth, Pearl Kempton, J. S. Crouch, T. Hart and Leon
Hatcher. Other guests not in the picture included Mesdames J. D. Helton, W. E. Trapp, J. N. Gregory
and son George Allen, J. A. Hale, L. G. Robinson, J. R. Benton, L. E. Morrow, James Arrington, J. D.
McLendon, C. V. Black, R. F. Hibben and Sonja Hart.

Closely Kept Secret At Cal. Tech. Revealed

(Continued From Page 1)

“know-how.”
This is something on which to
congratulate our own brave pio-
neers in the field of grammatical
research. Once it was thought that
the infinitive could never be split
—at least, not without terrible re-
percussions. We have shown that
it is quite possible, given the nec-
essary skill and courage, to un-
questionably and without the slight-
est shadow of a doubt accomplish
this modern miracle.
See how easy, once you know
how?
Don't miss reading the full
account of this great project—to
be released in full on—Saturday,
April 1.

the second week end of the sea-
son. The intrepid anglers bag-
ged eight fish—all from a
rough stretch of water that
less hardy folks passed up.
Manufacturing Offices reports
that Hazel Tompkins is vacationing
for a week at her home just off
the Edgemoor Road—just resting.
W. D. Hill, of Stores, is ailing
and has received get well wishes
from fellow employees in the Stores
Department.

Maintenance Shops is hoping Jim
Thorpe will recover from his illness
soon.

Roy M. James, of the Y-12
Training Department, actually saw
snow a few days ago—but had to
go to Chicago to see it. He attend-
ed a meeting of the American
Society of Training Directors in
the Windy City—and he says it
was windy.

Assay Laboratory extends deep-
est sympathy to Shirley McKay
on the death of her grandmother.

Another big social function
to be held Saturday, April 1,
is a spring dance by the four
chapters of the Beta Sigma
Phi sorority. It will be held in
the Oak Terrace Ball Room
from 9 a.m. to 1 a.m. with
music furnished by Bill Dex-
ter's orchestra. Advance tickets
are \$1 per person and \$1.25 at
the door. Tickets may be ob-
tained from the following Y-
12ers—Lucille Whitman, Mabel
Tyer, Olyne Poindexter, Betty
Lou Carter, Nancy Doane,
Ruth Williams, Lillian Howard,
Juanita Fugate and Helen Mat-
thews. Dress is optional.

Pat Hamrick, of Employment,
will extend a warm welcome to his
son, Tom, a Vanderbilt University
medical student, over the coming
week end. Tom is playing in an
eight-piece band of Vandy students
called “The Blue Notes,” which will
provide music for the Oak Ridge
Golf and Country Club dance Sat-
urday night. Young Hamrick is a
horn tooter of parts, playing sev-
eral instruments.

Contracts

PICKARD—GREENWAY
A social event of interest to
many Y-12 friends of both parties
was the quiet wedding on Saturday,
March 18, of Miss Marie Greenway,
of the Superintendents Depart-
ment; and Ernest L. Pickard, of the
Field Maintenance Department.

The ceremony was held at 7
p.m. at the Park Methodist Church
in Knoxville. The Rev. E. A. Eld-
ridge officiated.
The bride is the daughter of Mr.
and Mrs. Edward Greenway, of
Spartanburg, S. C. Parents of the
groom are Mr. and Mrs. W. A.
Pickard, of Greensboro, N. C.
The couple will live in Oak Ridge.

GORDON—DARNELL
Friends of John R. Gordon, of
the Y-12 Maintenance Utilities De-
partment, are congratulating him
over his recent marriage to Miss
Vivian Darnell, of the Oak Ridge
National Laboratory Mathematics
Panel. The ceremony took place
Saturday, March 4, at the Arkan-
sas House in Oak Ridge with the
Rev. T. A. Burkett officiating.

The bride is the daughter of Mr.
and Mrs. U. S. Hatfield, of Oneida,
Tenn.
At her wedding the bride wore
a grey suit with navy accessories
and white gardenias. Matron of
honor was Mrs. W. K. Forrester,
who wore a winter white suit with
black accessories and red roses.
W. K. Forrester was best man.
The couple will live in Oak Ridge.

Steel Corrosion Loss Can Be Cut

Loss by corrosion on structural
steelwork in the United States is
approximately \$5.5 billion a year,
according to the National Patent
Council. A new painting technique
is expected to greatly reduce this
loss. A. B. Antros, Swedish manu-
facturer, is granting an American
license for use of an improved
spray gun that paints pigment on
the surface by acetylene flame. No
solvents are used. The flame acts
both on the waxlike paint and the
metal to fuse them together. Tests
equivalent to 15 years of weather
wear have demonstrated that the
paint definitely prevents corrosion,
it is claimed.

PEACEFUL AIMS SOUGHT

Dr. Alexander G. Rughven, pre-
sident of the University of Michi-
gan, is quoted in a recent news
story as describing the aims of the
university's proposed research cen-
ter as being directed toward un-
earthing the countless benefits of
atomic energy rather than its
destructive forces.

Buildings And Grounds Is Attendance Leader

(Continued from Page 1)

an absentee mark of .6 per cent.
In third place with an even one
per cent of its personnel absent
was the Technical Service Labora-
tory, which occupied ninth place
the preceding week.

The overall plant absentee re-
cord for the week ending March 19
was three per cent, .2 per cent
higher than the previous week.

The plant absentee record, by
departments, follows:

MAJOR LEAGUE			
More Than 50 Employees Scheduled			
Dept.	Absent Percentage	Standing 3-19-50	3-12-50
2014	0.3	1	4
2619	0.5	2	2
2077	0.7	3	1
2360	1.0	4	9
2015	1.5	5	7
2003	2.12	6	5
2283	2.14	7	3
2616	4.9	8	8
2142	5.28	9	12
2091	5.29	10	10
2282	6.5	11	—
2300	6.7	12	11
2320	7.4	13	6

Group absentee percentage was 3.4 per
cent, .4 per cent higher than the preceding
week.

MINOR LEAGUE			
15-49 Employees Scheduled			
Dept.	Absent Percentage	Standing 3-19-50	3-12-50
2743	0.0	1	1
2005	0.0	1	1
2140	0.0	1	1
2109	0.0	1	1
2096	0.0	1	1
2001	0.0	1	5
2143	0.0	1	8
2060	0.6	2	2
2270	1.0	3	9
2008	1.5	4	1
2107	1.8	5	4
2739	2.8	6	1
2133	3.3	7	10
2002	4.21	8	7
2200	4.24	9	6
2009	6.2	10	3
2090	9.3	11	11

Group absentee percentage was 1.9 per
cent, remaining the same as the preceding
week.

The plant average for the week ending
March 19 was three per cent, .2 per cent
higher than the preceding week.



The stork had a busy time attend-
ing to bundles of joy for Y-12 fam-
ilies recently at the Oak Ridge
Hospital, paying five different
visits. Parents were Mr. and Mrs.
Hugh Rice, Jr., girl, March 17;
Mr. and Mrs. Rufus L. Caldwell,
boy, March 17; Mr. and Mrs. Wil-
liam A. Bell, Jr., boy, March 18;
Mr. and Mrs. George Fisher, girl,
March 20; Mr. and Mrs. John P.
Jones, girl, March 21.

The average woman has a voca-
bulary of about 500 words—not a
big stock, but think of the turn-
over.

Play In Y-12 Golf League Slated To Start During Week Of April 16; Business Meeting Called Thursday

Final approval of a constitution and by-laws and playing regulations for operation of the Y-12 golf league is scheduled to be held at a meeting of plant golfers to be held at noon, Thursday, March 30, in the private dining room of the cafeteria. Officers for the league also will be elected at this session.

Every golfer interested in playing in the league this season is urged to attend the session and to be prompt so that the business at hand may be transacted as soon as possible. Those intending to attend the meeting are asked to pass through the line to obtain their lunch and then proceed to the private dining room.

Tentative plans provide for play in the league to open during the week of April 16.

Four Men On Each Team

League play will be among teams of four men each. Teams already organized are asked to turn in their list of players at the meeting Thursday and also submit a name for the team.

Golfers not included in teams already formed and who wish to play in the league are urged to communicate with the Recreation Office, North Portal, telephone 7-8252, which will endeavor to place the player on a team.

The deadline for entering teams in the league will be Friday, April 7.

Teams Play Once Weekly

A schedule will be prepared as soon as the number of teams entered is definitely known. The schedule will provide for one match for each team each week. All play will be on a handicap basis at match play.

Score cards will be available at the Recreation Office when league play is started and all team captains will be urged to promptly report the results of all matches played so that league records may be kept up to date.

Maintenance Boosts Lead In B Pin League

The sharpshooting Maintenance kegglers of the B League pulled out another notch in front of the pack last Thursday night at the Oak Terrace alleys by trouncing the Comets for three points while the second-place Rippers slipped to three points off the pace by dividing with the Bums.

Three Teams Advance

In other matches the Bumpers trimmed the Wolves for three and advanced into third place, the Tigers also stepped into fourth place by whitewashing the Cubs, the Mules kicked the Head Pins for three and One-91 abandoned the cellar spot by taking three from the All Stars.

Bill Ward, of the Bums, posted a slick 234 scratch single game for tops of the night and went on to have the best handicap game of 272. V. W. Arms, of the Bumpers, posted a 545 scratch series but Woody Palmer, of the Tigers, took advantage of a 49 handicap to get the best handicap series of the night and high for the second round with a 669.

Wolves Lead Scratch Scorers

The Wolves posted the best scratch scores in team play with an 842 single game and 2,469 series. However, the Tigers had the top handicap single game of the night with 1,011 and One-91 came through with the leading handicap series score of 2,889.

League standing follows:

Team	W	L	Team	W	L
Maintenance	20	4	Head Pins	10	14
Rippers	17	7	Wolves	9	15
Bumpers	16	8	Bums	8	16
Tigers	14	10	One-91	8	16
All Stars	14	10	Cubs	8	16
Mules	13	11	Comets	7	17

**More Sport News
On Page Four**

SPORTS NEWS

19 Out Of 28 Plant Loop Bowling Teams Enter Y-12 Tournament; Schedule Announcement Next



6-1258 TWO TEAMS THAT HAVE BEEN STRONG COMPETITORS IN THE W LEAGUE ARE PICTURED ABOVE. At left are the Dodgers. Standing, from left, are Mavis Koons and Lillian Howard. In front are Doris Moore, Dorothy Park and Corrine Snyder. The team at the right is the Rattlers, composed of employees of the J. A. Jones Construction Co., which was entered in the Y-12 loop early in the season to round out the league membership. From left are Ruth Patton, Ruby Walker, Dixie Bryant, Louise Warren and Elna Reedy.



6-1259 Y-12 Photos By Vince Moore

The thundering roar of falling ten pins in the annual Y-12 plant bowling tournament will be heard Saturday and Sunday, April 8 and 9, at the Oak Terrace as the men kegglers will open competition for handsome trophies provided by the Company and prize money tossed into the pot by the contestants. The schedule, which will be announced in The Bulletin next week, will provide mostly for team competition on Saturday and singles and doubles on Sunday.

36 Trophies At Stake

A total of 36 attractive trophies will be awarded winners in the various events. Each member of the team finishing first and second in handicap and scratch scoring will receive trophies as will members of the first place doubles team in handicap and scratch scores. The top handicap and scratch single game winners also will receive prizes as will the first and second place bowlers in handicap and scratch all events.

As the entry lists closed last Friday 19 out of 28 teams in the three plant leagues had entered in addition to one other recently assembled outfit called the Misfits. The doubles competition drew 24 teams and in singles 48 players will seek honors.

Teams entered include the Termites, Wolves, Orphans, Head Pins, All Stars, Hornets, Materializers, Maintenance, Tigers, Strikers, Bumpers, Rippers, Mules, Bums, Misfits, Angstroms, Guards, One-91 and Comets.

Singles honors will be sought by W. C. Tunnell, Wes Savage, Ernie Cobble, Walter Sherrod, C. Roberts, Frank Gragg, L. H. Barker, Harold Ratjen, Leo Caldwell, Rudy Pletz, R. Roberts, Otto Briscoe, C. Fultz, Paul Petretzky, Bruce Whitaker, Carl Frazier, Frank Knox, C. J. Hubbard, Mike Crews, P. S. Moody, Joe Dunlap, George Riddle, Arnold Tiller, E. Scott, C. E. Gillihan, Bill Burns, Fred Kappelmann, W. R. McGill, Frank Thurman, Al Groppe, Elmore Koons, Nelson Tibbatts, Jay Holtzknecht, Russell Allstun, W. A. Schaefer, E. E. Kennedy, John Gordon, Roy Webber, David Crouse, Joun Schmitt, W. A. Ward, Don Muser, A. F. Kendig, R. L. Martin, Morris Bailis, C. Greene, E. Green and E. B. Gallo-way.

Doubles Teams Named

Doubles teams entered include Tunnell-Savage, Cobble-Sherrod, C. Roberts-Gragg, Bill Morgan-Baker, Leo Caldwell-Ratjen, Pletz-R. Roberts, Petretzky-Briscoe, Fultz-Whitaker, Frazier-W. R. Rathkamp, Dick Brothers-Knox, Dunlap-Riddle, Crews-Moody, Hubbard-Tiller, Burns-Kappelmann, McGill-Thurman, E. Green-Galloway, Kendig-Martin, C. Greene-Bailis, Crouse-Schmitt, Ward-Muser, Schaefer-Allstun, Webber-Gordon, Groppe-Koons, Tibbatts-Holtzknecht.

Women Varsity Bowlers Notch Another Victory In City Loop

Those Y-12 feminine varsity bowlers, on the rampage for the past several weeks in the Oak Ridge City League, kept up their victory string last Thursday night at the Oak Terrace alleys by handing the Crows and O'Connor lassies a two out of three game licking. A clean sweep would have placed them in seventh place but at the end of activities the Y-12ers were just one game out of that position. If time holds out the Y-12 women hope to gain the first division and now are only four games back of a spot in the first six.

Well-balanced bowling brought the victory to Y-12 last week and in one game they posted the high score of the night with a 799. The game scores were 746, 687, 799—2,232 for Y-12 and 672, 750, 743—2,155 for the losers.

Margaret O'Neal led the Y-12ers with 159, 173, 152—484. The rest were well bunched with Ruth Law 122, 127, 197—446; Olyne Poindexter 161, 113, 165—439; Katie Williams 157, 167, 111—435; and Daisy Ward 147, 107, 174—428.

Orphans Take C League Championship For Year

The Orphans bowling team of the C League of plant kegglers wrapped up seasonal honors last Wednesday night at the Central alleys by whitewashing the lowly Moles for four points. This victory clinched second-half honors and as the Orphans had taken the first round championship they naturally walked off with all loop honors for the schedule, making a playoff unnecessary.

Champs Prepare For Playoff

The Orphans now are making ready to participate in the playoff between themselves, the Strikers, D League champs, and the title winners in the B League which has several more weeks to go. The C League has two more nights of bowling scheduled, but the Orphans' margin is too great for the trailing teams to overcome.

The victors did not break into the top scoring brackets last week except for Elmer Green's 189 scratch single game, which was tops for the night. Ray Duckworth, of the Hornets got the best scratch series of the night with a 505 and the best handicap single game was contributed by E. D. Kembro, of the Short Circuits, with 232. E. L. Boorn, of the Moles, rolled a 639 handicap series for best of the night.

Hornets Take Team Scoring Honors
The Hornets monopolized team scoring honors. They rolled an 840 scratch game, 1,056 handicap game, 2,310 scratch series and 2,958 handicap series.

In addition to the Orphans triumph over the Moles, other results last Wednesday night showed the Hornets defeating the Hooks by three points to one, the Hurricanes beating the Thin Pins by the same margin and the Short Circuits blasting the Guards for a four-point whitewash triumph.

League standing follows:

Team	W	L	Team	W	L
Orphans	36	12	Short Circuits	23	25
Hooks	27	21	Hurricanes	20	28
Hornets	27	21	Moles	18	30
Guards	24	24	Thin Pins	17	31

Jays, Birds Wind Up Basketball Season

Y-12ers cavorting on the two Class B basketball teams in the Oak Ridge Recreation League during the past season officially closed their seasons last Monday night, March 20, when both bowed out of the city Class B tournament with defeats. The Blue Jays went down swinging to the league championship Barber Buick team by 42 to 36 despite a last quarter rally and the Speckled Birds lost an upset thriller to the First Methodist cagers by 34 to 32. The Methodists are coached by Fred Kappelmann, also of Y-12.

Safety is ace high in the game of life.

Controllers Regain Lead By Downing Hi Balls

★ ★ ★ ★ ★ TERMITES, NOT RIPPERS, LOSERS IN D LEAGUE

Apologies are in order to the Rippers bowling team of the B League for a headline error in The Bulletin last week in which they were listed as losers in the D League playoff. The Termites should have been named as the losing D League team in the playoff, along with the Materializers, with the Strikers being the winners.

The Rippers are still a very solvent and active contender for final round honors in the B League of plant pinmen.

★ ★ ★ ★ ★

Y-12 Varsity Bowlers Score Second Whitewash In Row

With four out of five bowlers posting scratch series scores of more than 500, the Y-12 men's varsity bowling team took its second whitewash victory in a row March 20. The Exchange Club kegglers were the victims of the fine Y-12 rolling with the game scores being 819, 875, 925—2,619 for the victors and 748, 824, 845—2,417 for the vanquished pinmen.

The Y-12 bowling was well balanced as only two single games topped 200. They were posted by Ernie Cobble and Conrad Roberts, each with a 201. Cobble preceded his top game with 178 and 176 for a total of 555 to lead the Y-12ers in individual scoring. Frank Gragg put together games of 168, 190 and 189 for 547 and Elmore Koons rolled 191, 157, 167—515. Nelson Tibbatts was next with 159, 181, 167—507 and Roberts barely missed the 500 mark because of an unfortunate 125 game. He came back with 171 and 201 to bring his total to 495.

AEC May Relinquish Radioisotope Work

Commissioner Gordon Dean, of the Atomic Energy Commission, is quoted by the Associated Press as suggesting the possibility that the AEC eventually will turn over production of radioactive isotopes to private industry. The commissioner was said to have doubted that this field of commission activity, by its nature, requires government monopoly and control. Commissioner Dean was reported to have asserted that the nation's nuclear reactor program would progress more rapidly with wider industrial participation. The commissioner's remarks were made at a conference on nuclear technology at the New York University Faculty Club.

With two nights left to roll, the Controllers went out in front in the W League last Thursday night at the Jefferson Alleys by taking a decisive victory from the Hi Balls, which up until that time shared first place honors. The Controllers, winners of the first half championship, took two out of three games from their rivals to take a one game lead in the standings.

Kemps Grab Third Place

The previous tie existing for the next spots on the ladder also was broken last week when the Kemps took a firm hold on third place by trimming the Dodgers for three games while the Pick Ups were upsetting the Woes for two out of three. The Rattlers wound up the night's program by taking three from the Spinners.

With the teams straightened out for the stretch run either one of the first three—Controllers, Hi Balls or Kemps—have a chance to break through if any of the others make just one break.

Tucker, Moody High Scorers

The Kemps walked away with team scoring honors as Evelyn (Fiz) Tucker had another good night on the hardwood. She rolled a 193 scratch single game, boosted it to 246 with handicap and went on to post a 658 handicap series for second-round high. Mabel Moody, of the Woes, also posted some fine scores, her 503 scratch series being high for the round and a 653 handicap series being second high for the second round, just behind Tucker's fine score.

The Kemps' series scores were tops for the second round, the team posting a 2,142 scratch and 2,915 handicap total. Their scratch single score was 741 and handicap single tally 993.

League standing follows:

Team	W	L	Team	W	L
Controllers	25	11	Dodgers	19	17
Hi Balls	24	12	Pick Ups	16	20
Kemps	23	13	Rattlers	13	23
Woes	21	15	Spinners	3	33

Atomic Aerial Power Seen Close

In a Science Service story recently published in the Washington News, Gen. Donald L. Putt, of the U. S. Air Forces, was quoted as telling the Institute of the Aeronautical Sciences in New York that the day is coming closer when airplanes will be powered by atomic energy. General Putt told the Institute, the story declares, that considerable progress has been made in adapting atomic energy to power units for aerial use.

Many great men and women showed little promise in their early years. Edison, most prolific of inventors, was once sent home because he was "too stupid" to be taught!

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Positive Approach To Safety Is Urged

(Continued from Page 1)
wanted to "wash" or "scour" his teeth. This approach has been found to be far more effective than any amount of comparison or knocking. We like to be given credit for having some imagination.

May Be Arousing Nerves

Are we creating a desire for safety when we advertise an accident? When we publish such statistics as "Falls kill 70 persons every day" or when we display a poster of a blind man with an inscription at the bottom, "Lifetime blackout, he didn't wear his goggles," aren't we arousing the nervous system and creating an unconscious desire to do that which is forbidden?

We use all types of advertisements as a constant reminder of the hazards connected with different machines: "Keep guards in place," "This man lost an arm while running an unguarded machine." We need not fear the machine, we need fear only our imperfect knowledge and ungoverned impulses (to do that which is forbidden).

We visualize the human being as a smooth working machine, whose parts are effectively and economically proportioned to a designated task. We see safety, the whole problem of human conduct, indeed, is but a greater and more complex situation to which the same approach may be applied.

Fear Is Active

All that fear or forcible compulsion will secure is a minimum performance necessary to avoid an obvious hazard. To the extent that fear is active, the great inward draws of curiosity and pleasure in action are not aroused; on the contrary all of our inward resistance is awakened. We are being dragged against our broad resistance because we have (unconsciously) been sold on an accident.

In awakening a useful emotional response, considerable skill and wisdom are required to avoid anything that will defeat the purpose of advertisement.

Teaching will be more effective if given without condemnation. Our attitude should not be "You have done something wrong," but "Here is the way to do it right" and show them the right and stress the easy way of doing a job. Stick to the positive approach.

Competition Is Offered

Newspapers offer safety advertising enough competition by publishing the most horrible angles of accidents without us falling in line and publicizing the same thing.

Would it be more effective to put forth a concentrated effort toward safety? That is: corrected hazards, safe procedures, teamwork, protective devices and clothing; create interest in the equipment not the protection and stay clear of publication that admonishes "do—don't" and "right—wrong."

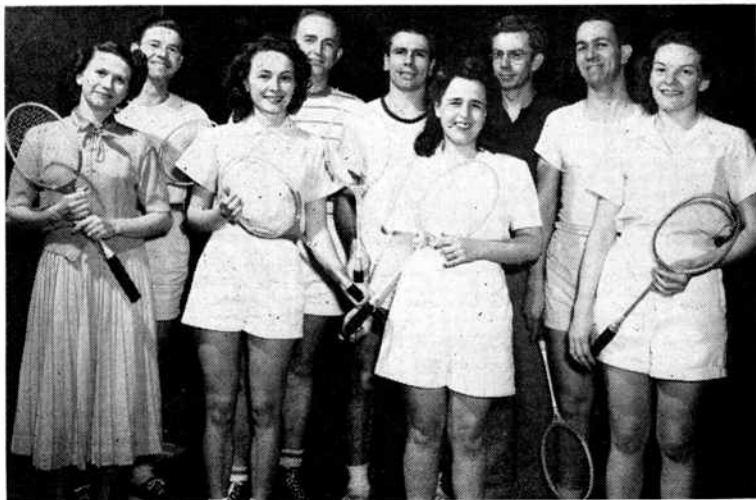
If we are going to work on the nervous system why not glorify safety (not accidents)? Create a desire rather than to try and scare them into it.

Abraham Lincoln once said: "With public sentiment, nothing can fail, without it nothing can succeed; consequently he who molds public sentiment goes deeper than he who enacts statutes or pronounces decisions."

Corny Inventions Have Been Patented

Gustav J. Martin, Short Hills, N. J., has just been granted a patent on an "Implement for Severing Corn Kernels from Cobs." That's the description in the Patent Office Gazette. This green-corn clipper looks like a pipe wrench. It clamps about the cob. A few simple twists of the wrist and the kernels are stripped off for canning. Another corn invention is an ear picker-upper—a pair of long-handled tongs for picking up ears on the ground or low on the stalk. The tongs hold several ears at a time. Use of these tongs saves time and prevents backache, the inventor claims.

Good housekeeping is always in season.



Y-12 Photos By Vince Moore

PICTURED ABOVE IS THE BADMINTON TEAM THAT ably represented Y-12 during the season just closed. Front row, from left, are Jean Hurst, Marjorie Wallace, Phyllis Wallis and Lorraine Vallado. In the rear are Fred Hurst, Spence Wallace, Mal Wallis, Joe Culver and Tony Vallado.

Y-12ers Capture Ridge Titles In Badminton

The Y-12 badminton team placed five of its members in the finals of the recent Oak Ridge tournament and two championships were brought home by the battledore and shuttlecock performers representing the plant in the Oak Ridge City League during the season.

Mal Wallis won the singles title in the tournament and was one of the outstanding players in the league throughout the season. Marjorie Wallace and Lorraine Vallado teamed together to bring home the title in the women's doubles division.

Other Y-12 finalists in the tournament included Mal Wallis and his wife, Phyllis, in the mixed doubles and Fred Hurst, who teamed with a K-25 player in the men's doubles.

The Y-12 team finished in second place in the league race, being topped only by the crack Oak Ridge National Laboratory outfit. The Y-12ers improved steadily throughout the season and if the same players are available next season a fruitful year is expected.

Mal Wallis and Fred Hurst are entered in the Knoxville badminton tournament being held this week at the Y. M. C. A.

Truman Praised By New York Times

The New York Times has commended President Truman for sharing his information of the reported atomic explosion in Russia with the American people. The Times believes that until international control of the bomb is achieved, American foreign policy should remain unchanged and the United States should not part with any of its existing supply of atomic bombs and should add to its reserve supply of such weapons for the safety of this nation and Western Europe.

PHONE AID DEvised

Now the housewife can talk over the phone and iron at the same time, or the secretary may have both hands free when taking dictation over the phone, claims the inventor of a recently patented attachment for the telephone receiver. This plastic device is fitted onto the headpiece of a cradle phone. Two plastic bands fit over the user's head to secure the whole thing in hearing position.

RADIO STATION WANTS LISTENERS' PREFERENCE ON 'GAME OF THE DAY'

Radio Station WATO will carry the major league baseball "game of the day" during the 1950 baseball season. These broadcasts will not be re-creations but will be live play-by-play broadcasts direct from the major league parks.

In order to give the greatest service, here is what WATO would like to know. Do you want the radio station to broadcast the games in the mid-afternoon or at night?

If you are interested in the "game of the day" broadcast of major league ball games, please indicate your time preference by dropping a postal card to "Baseball," care Radio Station WATO, Oak Ridge, before Sunday, March 26, when the station must make its decision.

Chorus Sets Final Concert; Y-12ers In Cast

The final concert of the season will be presented by the Oak Ridge Community Chorus at 8:15 o'clock Saturday night, April 1, in the auditorium of the high school. A number of Y-12ers will be in the cast of the musical group, including Jeanne Rogers, Phyllis Finneran, Beatrice Cameron, John Redman and R. L. Knight.

The principal offering on the program will be the Faure Requiem, followed by The Peaceable Kingdom, by Randall Thomas.

John H. Krueger, instructor of theory and composition at the University of Tennessee, will direct the chorus of 65 voices in the concert. Accompanists will be Mrs. Georgellen Schuske, wife of Clarence Schuske, of Y-12, organist; and E. E. Ferguson, pianist. Soloists will include John Carl Teggell, of the University of Tennessee Fine Arts Department; Mary Winters, assistant director of the chorus; and Robert V. Maier.

At a recent meeting of the Community Chorus Jeanne Rogers, of Y-12, was elected secretary for the coming season. Other officers included Harold Vayhinger, of the Oak Ridge Schools, president; Edgar B. Darden, Jr., of Oak Ridge National Laboratory, business manager; Irene Cundiff, of Fairchild; librarian; and Ruth Jewell, of the school system, publicity manager.



Y-12 Photos By Vince Moore

CHAMPIONS IN THE FIRST HALF OF THE SEASON AND now holding a one-game lead as the end of the season rapidly approaches is the Controllers team in the W League, shown above. From left are Katie Williams, Madeline Franklin, Betty Sherman, Betty Whitehorn and Oradean Upchurch. Betty Sherman is holding the prize she won for being tied for third place in scratch singles in the recent Carbide bowling tournament—seems she is so proud of the trophy she don't want to put it down.

Robins Have Chance For Second Place In Knoxville Tournament

The Y-12 Robins split even in their two appearances in the Southern Appalachian basketball tournament in Knoxville last week but still remained in the running for second place honors, if the tournament playing plans are carried out. The Robins won a close one from Athens by 27 to 25 and then put up their strongest fight of the year against the powerful Roane-Anderson lassies before losing by 20 to 15.

Tournament Is Round Robin

Tournament promoters have arranged the Class A women's group, in which the Robins are listed, to play a round-robin affair in which every team meets every other team twice. Although Roane-Anderson has won the tournament championship in the Class A women's division the two losses suffered by the Y-12ers need not count them out if they could win the rest of their engagements.

The future playing schedule had not been completed at press time of The Bulletin so subscribers interested in the activities of the plant feminine cagers are urged to follow the Knoxville papers for playing dates.

The Robins were in good form for both of their appearances last week. Against Athens, the Y-12ers got away to an 18 to 12 half-time lead and staved off a late rally by the down-state team led by Juanita Inman, who scored 15 points. Helen Brown and Eileen Donaldson paced the Robins with 13 and eight points

and the defensive work of the Robins kept the Athens lassies from breaking out in the open and getting away.

Power And Size Triumph

As usual, the Roane-Anderson power and size brought them victory over Y-12, but the losers gave the loop champions the fight of their lives. Helen Aikman, a former Y-12 player, was a bulwark on defense for R-A and greatly responsible for the victory. Helen Brown again led the Y-12 girls in scoring with seven and Peggy Dickens got four. The margin of victory was the smallest the Roane-Anderson sextet had been held this season by any Oak Ridge team.

The battling Robins got away to a 5 to 4 lead in the first quarter but could score but one point in the second and trailed at the half-way mark by 10 to 6. The third period brought the downfall of the Y-12ers as they could tally but three points to eight for the winners. In the final canto the Y-12ers outscored their opponents by 6 to 1, but the lead was too much to overcome.

Paper Cannot Handle Changes In Address

As a result of many household moves by Y-12ers during recent weeks, The Bulletin has received a number of requests to change the mailing address of the paper.

Handled Through Channels

However, this change of address is not handled through the office of The Bulletin but through prescribed channels. First, the head of the family making the change should obtain one of the yellow-colored Forms 997, which provides space for all pertinent information necessary to properly record the change of address in the Company records. These cards are obtainable from Supervision and when filled out, should be returned to Supervision, which in turn forwards the card to Wage Standards. From there the recorded change is reported to the Mail Room and a new addressograph plate made for mailing The Bulletin and other Company matter.

The Form 997 cards are distributed by the stationery room to Supervision on request and efforts are made to have a supply on hand for all employees needing them. It is stressed that no change of address for The Bulletin or other Company mail can be made by the newspaper office or Wage Standards until the Form 997 is properly filled out and forwarded.

Action Is Expedited

Experience has shown that when the cards were properly signed and sent to Wage Standards that the change in address noted is recorded there and forwarded to the Mail Room in a matter of hours.

I. E. Is Basis Of Successful Safety Program

I. E.—That's it.

What made Notre Dame such an invincible football team last season?

How did Kentucky manage to top the nation's best in basketball for so many years?

What made the New York Yankee baseball organization great year after year?

The answer is simple—it is Individual Effort—the old I. E.

The application of his best by each member of each team is coordinated into team success. That is what makes championship teams what they are.

Now—what is responsible for the continuity of the successful safety program in Y-12? It is the same old I. E. applied by every individual in the plant.

Such I. E., continued alertness and attention to the job at hand every day is making and keeping Y-12 a safe place in which to work. So—keep up the old I. E.

Instead of waiting for your ship to come in, paddle out to meet it in your own canoe.